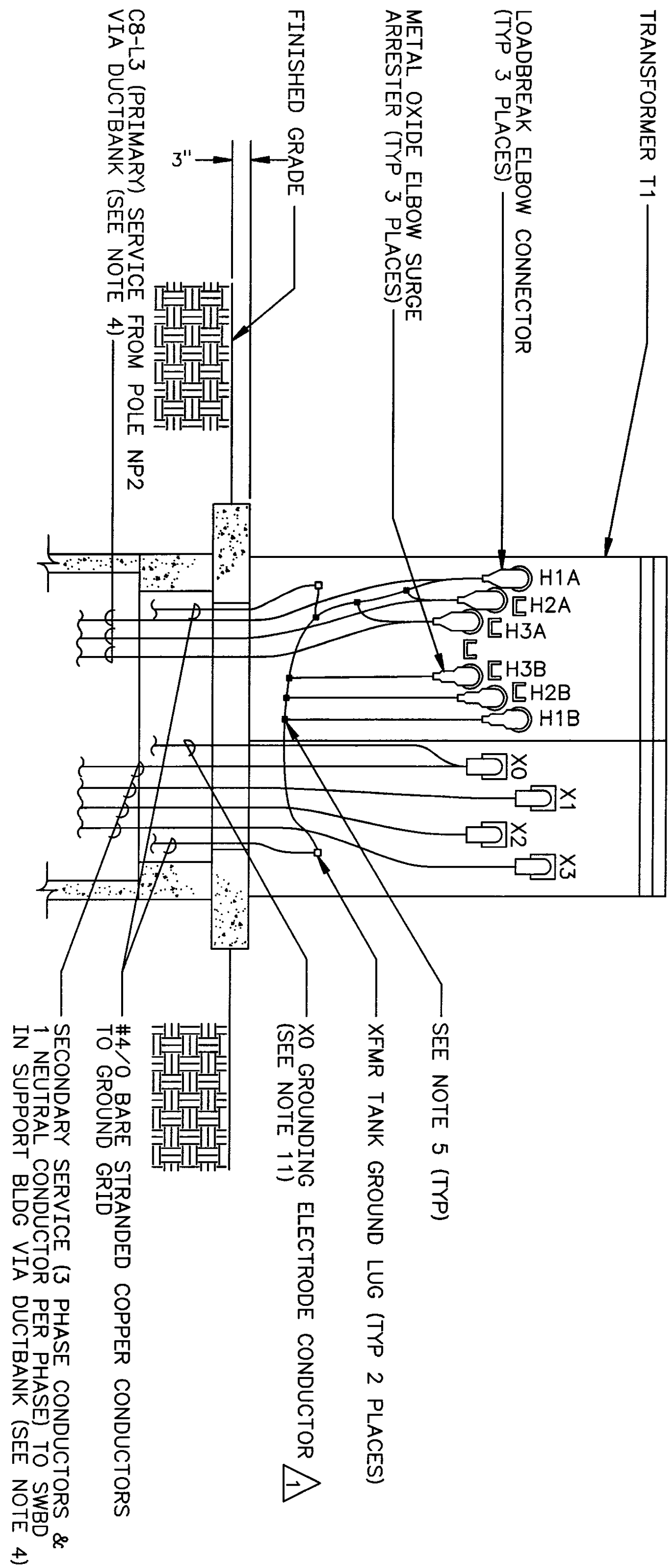


**A** ELEVATION

H-2-822522 SH 2 1/2"-1'-0"

(TYP FOR XFMR T2, VAULT ASSY & DUCT BANKS EXCEPT PRIMARY CONDUCTORS FROM CKT 08-L4)



**B** SECTION

3/4"-1'-0"

(TYP FOR XFMR T2, VAULT ASSY & DUCTBANKS EXCEPT PRIMARY CONDUCTORS FROM CKT 08-L4) (ADDITIONAL XFMR ITEMS NOT SHOWN FOR CLARITY)

**NOTES:**

- SEE CONSTRUCTION SPECIFICATION W-056-C3 FOR MATERIAL DESCRIPTION AND INSTALLATION INSTRUCTIONS UNLESS OTHERWISE NOTED.
- THE GROUND GRID IS TO BE BURIED A MINIMUM OF 2'-6" WHERE THE GROUND GRID CROSSES A DUCTBANK THE GROUND GRID IS TO BE BURIED BELOW THE DUCTBANK.
- (NOT USED)
- SEPARATE THE PRIMARY AND SECONDARY CABLES BY TYING THE PRIMARY CABLES TO CHANNELS IN THE VAULT. MINIMIZE THE BENDING RADIUS OF THE PRIMARY CABLES WHEN TYING TO THE VAULT.
- BOND THE CONDUCTOR SHEETS AND ARRESTER GROUND LEADS TO A #2 AWG BARE COPPER CONDUCTOR AS SHOWN, USING SUITABLE CONNECTORS. CONNECT THIS CONDUCTOR TO THE TRANSFORMER TANK GROUND LUG.
- INSTALL THE TRANSFORMER, TRANSFORMER PAD, VAULT, RISER AND VAULT COVER PER THE MANUFACTURER'S INSTRUCTIONS.
- THE DUCTBANKS SHALL BE SLOPED A MINIMUM OF 3 INCHES PER 100 FEET TO DRAIN INTO THE VAULT. ALL LOW POINTS SHALL BE DRAINED.
- SPACING OF REINFORCING BAR ANCHORS SHALL NOT EXCEED 7 FEET. LENGTH OF VERTICAL BARS SHALL BE SLOPED TO THE OUTSIDE EDGE OF THE VAULT. ALL REINFORCING BARS SHALL BE WIRE TIED OR WELDED TO THE VERTICAL EARTH DIVISION BARS.
- 4 FOOT LENGTHS OF #6 REINFORCING BARS SHALL BE PLACED IN EACH CORNER OF CONSTRUCTION JOINTS IN THE ENCASEMENT A MINIMUM OF 2 INCHES FROM THE OUTSIDE EDGES AND CENTERED ACROSS THE JOINT.
- INSTALL CABLE SUPPORTS AS REQUIRED TO SUPPORT CONDUCTORS IN THE VAULT.
- INSTALL #4/0 AWG COPPER TYPE USE INSULATED CONDUCTOR FROM THE TRANSFORMER TO THE VAULT. CONNECT TO THE ASSOCIATED G2 GROUND ROD. CONNECT THE G2 GROUND RODS TOGETHER WITH A #4/0 TYPE USE INSULATED CONDUCTOR.
- SEE DWG H-2-822523 SH 1 FOR MATERIAL LIST.
- GROUND BARRICADE (GUARD) POSTS TO G1 GROUND CONDUCTOR WITH #4/0 STRANDED BARE COPPER CONDUCTOR USING EXOTHERMIC WELD PROCESSES (TYP ALL POSTS).



EXPIRES 05/30/99

REVISION	DATE	BY	CHKD	DESCRIPTION
1	05/30/99	GL	GL	ISSUED FOR CONSTRUCTION
2	06/01/99	GL	GL	REVISION: SEE DWG H-2-822523 FOR MATERIAL LIST
3	06/01/99	GL	GL	REVISION: SEE DWG H-2-822523 FOR MATERIAL LIST
4	06/01/99	GL	GL	REVISION: SEE DWG H-2-822523 FOR MATERIAL LIST

DESIGNED BY	DATE	CHKD BY	DATE	CONSTRUCTION
GL	05/30/99	GL	06/01/99	612958
U.S. DEPARTMENT OF ENERGY				
ICP KAISER HANFORD COMPANY				
ELECTRICAL				
ELEVATIONS				
& DETAILS				
PROJECT: W-056 REPLACEMENT OF CROSS-SITE TRANSFER SYSTEM				
BY: C. VAN KATWYK	DATE: 10/13/95	CHKD BY: WJC	DATE: 10/13/95	SHOWN
1241-14	8001	H-2-822524	CR1320	SHEET 1 OF 4